

# ewacyra

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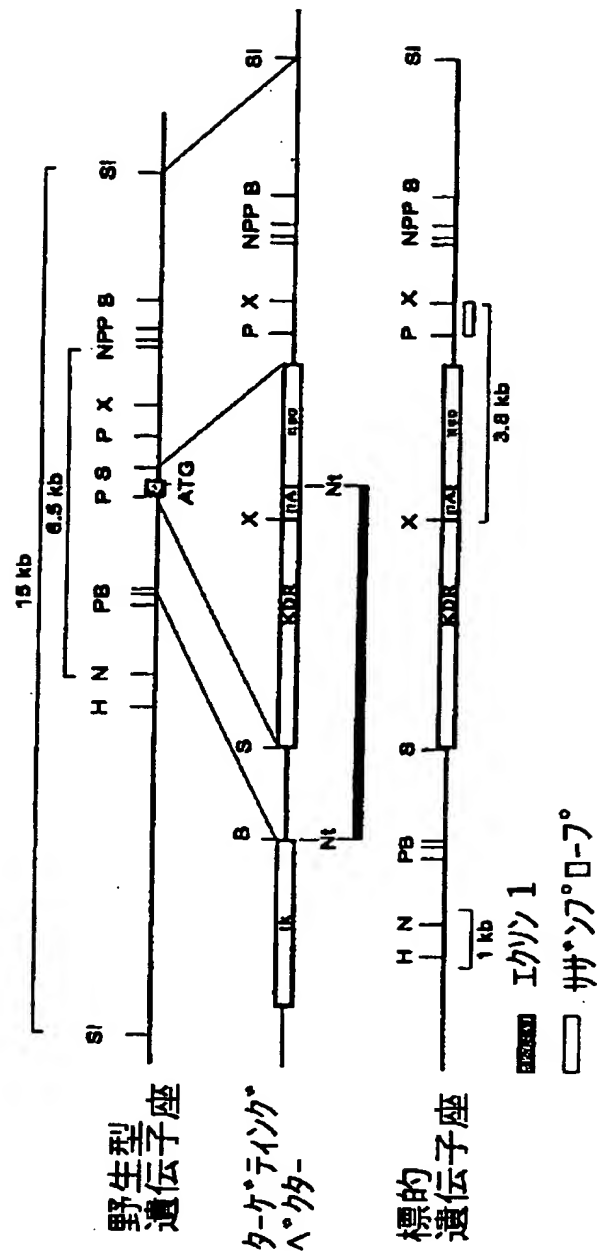
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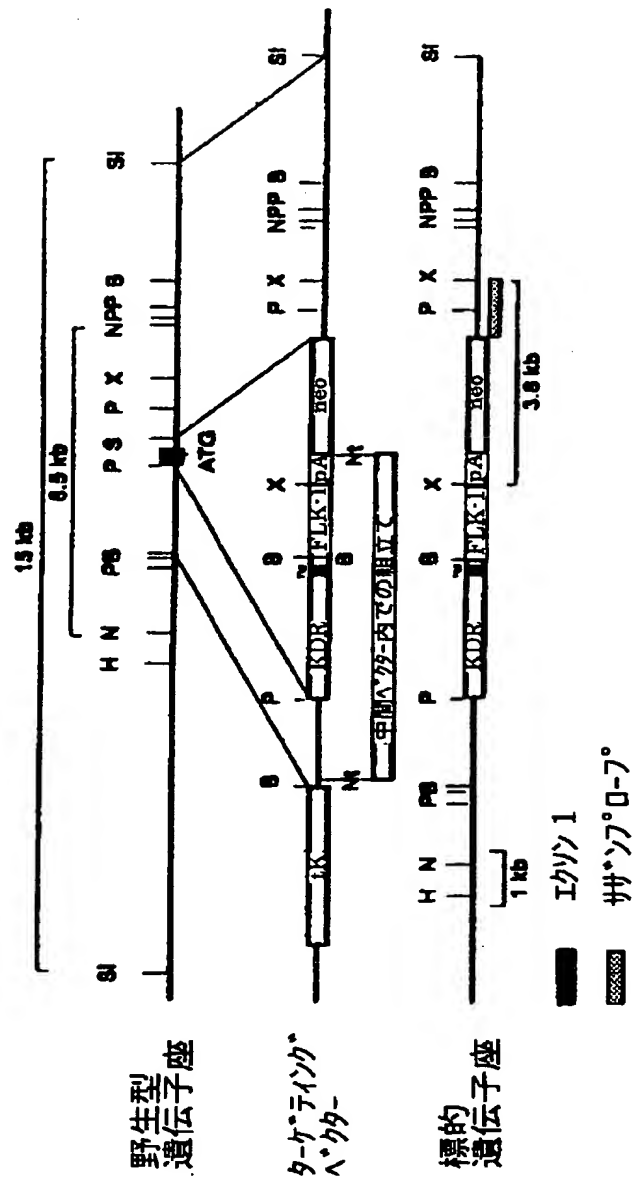
### Document Listing

Document	Selected Pages	Page Range	Copies
JP2001519145A	2	30 - 31	1
Total (1)	2	-	-

【図1】



【図2】



【図1A】

FIG.1A

CACCCGCGCGCGCGCC ATG GCG GAG GTC GCG GTC GTC TTT GCC TCC TTC 49  
 Met Ala Gln Val Gly Gly Val Phe Ala Ser Leu 10  
 1  
 GAC TCG GAC CAG CAA GCG TTC TCC TCC TCT CTG GCG AAC GTC CCC TTA 97  
 Asp Trp Asp Leu Gln Gly Phe Ser Ser Ser Leu Gly Asn Val Pro Leu 25  
 15  
 GCT GAC TCC CCG GGT TTC CTG AAC GAG CCG CTG GCG CAG ATC GAG GCG 145  
 Ala Asp Ser Pro Gly Phe Leu Asn Gln Arg Leu Gly Gln Ile Glu Gly 40  
 30  
 AAG CTG CAG CCG GCG TCG CCC ACA GAC TTC GCG CAC CTG AAG GCG ATC 193  
 Lys Leu Gln Arg Gly Ser Pro Thr Asp Phe Ala His Leu Lys Gly Ile 55  
 45  
 CTG CCG GCG CCG CAG CTC TAC TGC CCG ACG GCG TTC CAC CTT GAA ATC 241  
 Leu Arg Arg Arg Gln Leu Tyr Cys Arg Thr Gly Phe His Leu Glu Ile 75  
 60  
 TTC CCC AAT GCG ACG GTC CAT GCG ACC CCG CAC GAC CAC ACG CCG TTC 289  
 Phe Pro Asn Gly Thr Val His Gly Thr Arg His Asp His Ser Arg Phe 90  
 80  
 GGA APT CTG GAA TTT ATC AGC TTG GCT GTC GCG CTG ATC ACG ATC CCG 337  
 Gly Ile Leu Gln Phe Ile Ser Leu Ala Val Gly Leu Ile Ser Ile Arg 105  
 95  
 GGA GTA GAC TCT GCG CTA TAC CTA AAG ATG AAT GAG CGA GGA GAG CTG 385  
 Gly Val Asp Ser Gly Leu Tyr Leu Gly Met Asn Glu Arg Gly Glu Leu 120  
 110  
 115

【図1B】

FIG.1B

433	TTT GGA TCG AAG AAA CTC ACA CGA GAA TGT GTT TTC CGG GAA CAG TTT Phe Gly Ser Lys Lys Leu Thr Arg Glu Cys Val Phe Arg Glu Gln Phe 125 130 135
481	GAA GAA AAC TCG TAC AAC ACC TAT GCA TCC ACC TTG TAC AAA CAC TCG Glu Glu Asn Asp Tyr Asn Thr Tyr Ala Ser Thr Leu Tyr Lys His Ser 140 145 150 155
529	GAC TCG GAG AGA CAG TAT TAT GTG GCC CTG AAT AAA GAC GGC TCA CCC Asp Ser Glu Arg Gln Tyr Tyr Val Ala Leu Asn Lys Asp Gly Ser Pro 160 165 170
577	CGG GAG GGA TAC AAG ACT AAA CGA CAC CAG AAA TTC ACT CAC TTT TTA Arg Glu Gly Tyr Arg Thr Lys Arg His Gln Lys Phe Thr His Phe Leu 175 180 185
625	CCC AAG CCA GTA GAT CCT TCT AAG TTG CCC TCC ATG TCC AGA GAC CTC Pro Arg Pro Val Asp Pro Ser Lys Leu Pro Ser Ser Met Ser Arg Asp Leu 190 195 200
656	TTC CGC TAT AAG TAA TGGACCCCTGGTCCCA Phe Arg Tyr Arg 205

【図2】

FIG.2

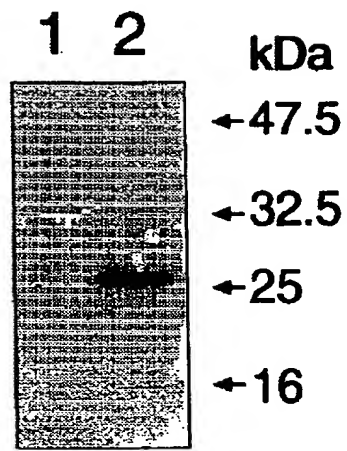
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POP-16  NA---EVGGVFA55SLDWLQGFSS56SLCHVP-LA-DSPQVLMERLQQIE-GK57LQNGSP-TD58PAH59
          * * * * *
POP-9   MAPLGEVGS60YFGVQDAVP61-----CHVPVL62PVDSSVLLSD63NLQSSA64GO65LP66ROP67AV68TD69LDR70
          * * * * *
          LKGI71LRR72QLY73CTG74PH75LM76IP77NG78TV79NG80T81ND82SS83TP84GI85LP86IS87LA88VO89LI90SI91RG92VD93SG94LY95L96
          * * * * *
          LKGI97LRR98QLY99CTG100PH101LM102IP103NG104TV105NG106T107ND108SS109TP110GI111LP112IS113LA114VO115LI116SI117RG118VD119SG120LY121L122
          * * * * *
          QN123NR124QEL125FG126SK127LT128NE129CV130FE131NE132Q133FE134NN135W136Y137NT138Y139AS140TL141Y142KS143DS144SE145R146Q147Y148Y149VA150LN151K152D153OS154PR155EQ156Y157
          * * * * *
          QN158NR159QEL160Y161GS162SK163LT164Q165CV166FE167NE168Q169FE170NN171W172Y173NT174Y175GS176N177LY178NE179VD180TO181RR182Y183Y184VA185LN186K187D188OS189PR190EQ191Y192
          * * * * *
          RT193ER194Q195EP196TE197FL198PR199PV200DS201SK202LP203SN204SR205DL206FP207YH208
          * * * * *
          RT209ER210Q211EP212TE213FL214PR215PV216DP217DK218VP219PE220LY221ED222IL223SS224QS225
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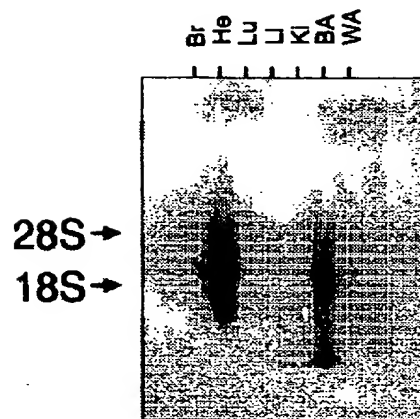
【図3】

FIG.3



【図4】

FIG.4





【図6A】

FIG.6A

CAGCGCCGCAATGCGCCCGCC	ATG	OCA	GAG	GTC	GCG	GCG	GTC	TTC	GCC	TCC	52
	Met	Ala	Glu	Val	Gly	Gly	Val	Phe	Ala	Ser	10
	1				5						
TTC	GAC	TGG	GAT	CTA	CAC	GCC	TTC	TCC	TGG	TCT	100
Leu	Asp	Trp	Asp	Leu	His	Gly	Phe	Ser	Ser	Leu	25
				15							
TTA	GCT	GAC	TCC	CCA	GCT	TTC	CTG	AAC	GAG	CGC	148
Leu	Ala	Asp	Ser	Pro	Gly	Phe	Leu	Asn	Glu	Arg	40
				30							
GCG	AAG	CTG	CAG	GCT	GCC	TCA	CCC	ACA	GAC	TTC	196
Gly	Lys	Leu	Gln	Arg	Gly	Ser	Pro	Thr	Asp	Phe	55
				45							
ATC	CTG	CGG	CGC	CGC	CAG	CTC	TAC	TGC	CGC	ACC	244
Ile	Leu	Arg	Arg	Arg	Gln	Leu	Tyr	Cys	Arg	Thr	70
				60							
ATC	TTC	CCC	AAC	GGC	ACG	GTC	CAC	GCG	ACC	CGC	292
Ile	Phe	Pro	Asn	Gly	Thr	Val	His	Gly	Thr	Arg	85
				75							
TTC	GGA	ATC	CTG	GAG	TTT	ATC	AGC	CTG	GCT	GTC	340
Phe	Gly	Ile	Leu	Glu	Phe	Ile	Ser	Leu	Ala	Val	105
				95							
CGG	GGA	GTC	GAC	TCT	GGC	CTG	TAC	CTA	GGA	ATG	388
Arg	Gly	Val	Asp	Ser	Gly	Leu	Tyr	Leu	Gly	Met	120
				110							

【図6B】

FIG.6B

CTC TAT GCG TCG AAG AAA CTC ACA CGT GAA TGT GTT TTC CCG GAA CAG  
 Leu Tyr Gly Ser Lys Lys 125  
 436  
 TTT GAA GAA AAC TCG TAC AAC ACC TAT GCC TCA ACC TTG TAC AAA CAT  
 Phe Gln Gln Asn Asp Tyr Asn Thr Tyr Ala Ser Thr Leu Tyr Lys His  
 140  
 484  
 TCG GAC TCA GAG AGA CAG TAT TAC GTG GCC CTG AAC AAA GAT GGC TCA  
 Ser Asp Ser Gln Arg Gln Tyr Tyr Val Ala Leu Asn Lys Asp Gly Ser  
 155  
 532  
 CCC CCG GAG GGA TAC AGG ACT AAA CGA CAC CAG AAA TTC ACT CAC TTT  
 Pro Arg Gln Gly Tyr Arg Thr Lys Arg 175  
 580  
 TTA CCC AAG CCT GTA GAT CCT TCT AAG TTG CCC TCC ATG TCC AGA GAC  
 Leu Pro Arg Pro Val Asp Pro Ser Lys Leu Pro Ser Met Ser Arg Asp  
 190  
 628  
 CTC TTT CAC TAT AGG TAA TGAACCTCTGGTGTGCGCCCTGAGCCC  
 Leu Phe His Tyr Arg 205  
 674

【図7】

FIG.7B



FIG.7D

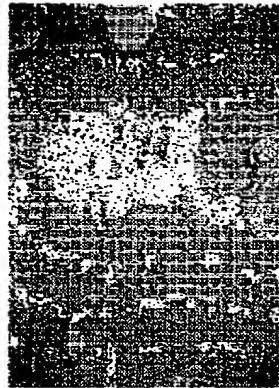


FIG.7A

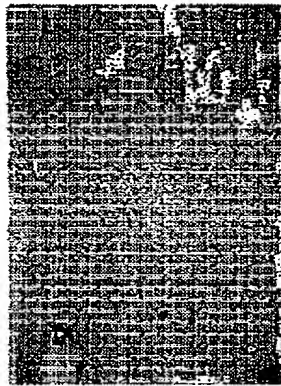


FIG.7C



## 【国際調査報告】

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 98/17919

## A. CLASSIFICATION OF SUBJECT MATTER

IPC6: C07K 14/50, C07K 16/22, A61K 38/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC6: C07K, A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	Biochem Biophys Res Commun, Volume 243, No 1, February 1998, Miyake A. et al, "Structure and expression of a novel member, FGF-16, on the fibroblast growth factor family" page 148 - page 152	1-3,5-36
	--	
A	EP 0503297 A1 (TAKEDA CHEMICAL INDUSTRIES, LTD.), 16 Sept 1992 (16.09.92), SEQ ID No 5	1-3,5-36
	--	
A	EP 0619370 A1 (AMGEN INC.), 12 October 1994 (12.10.94), page 2, line 41 - line 43	1-3,5-36
	--	

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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"&amp;" document member of the same patent family


Date of the actual completion of the international search

Date of mailing of the international search report

8 December 1998

15. 01. 99

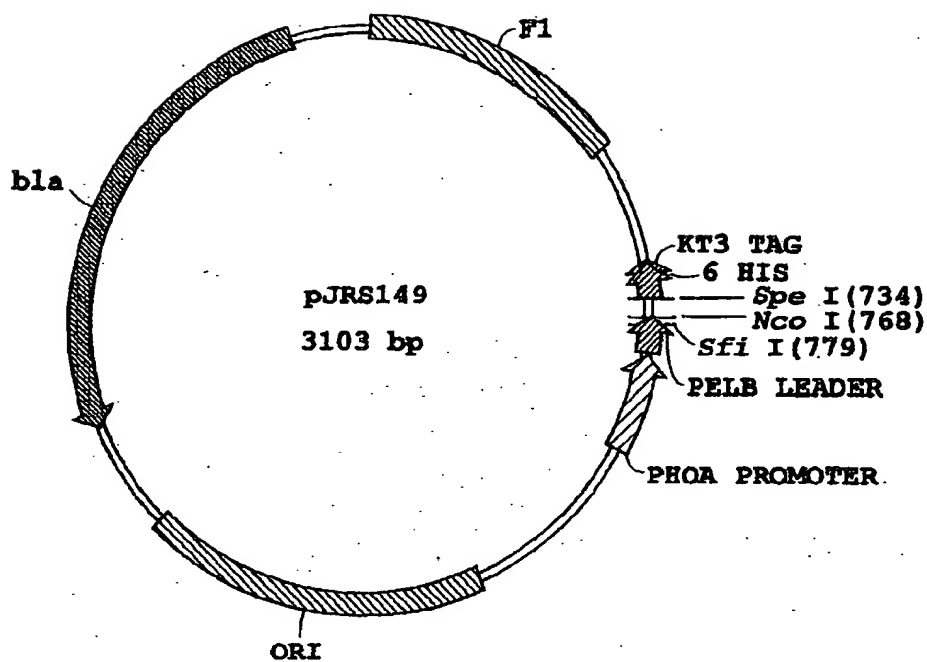
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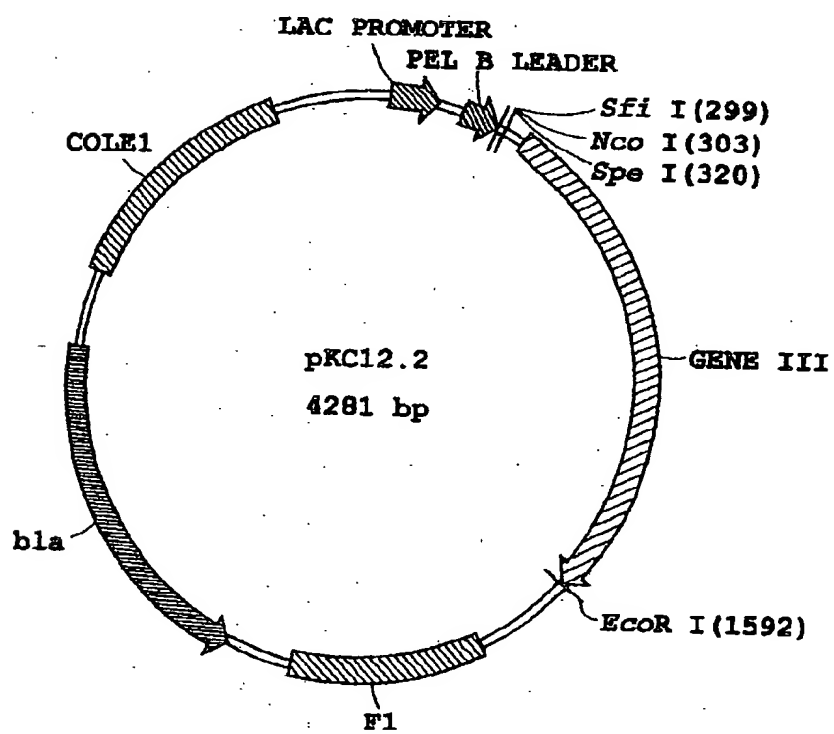
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Patrick Andersson

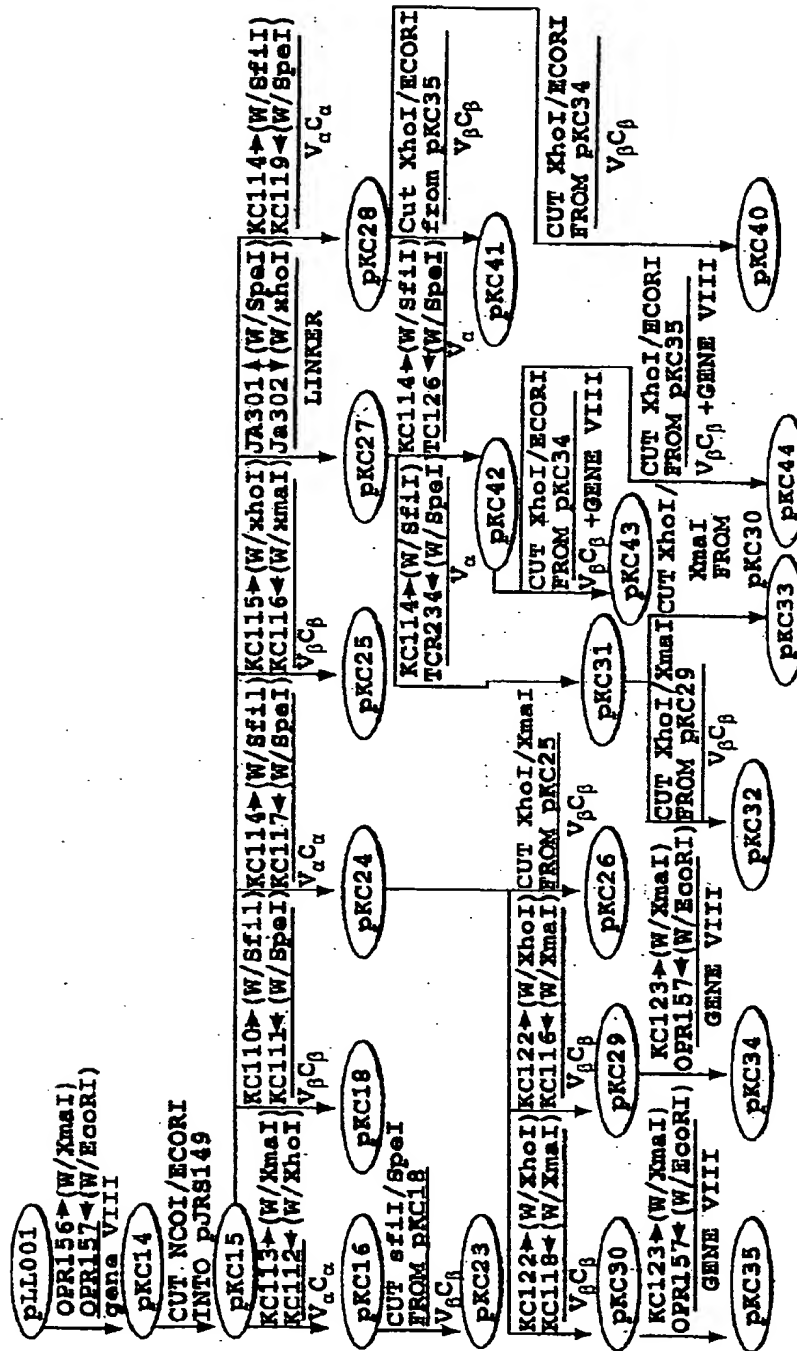
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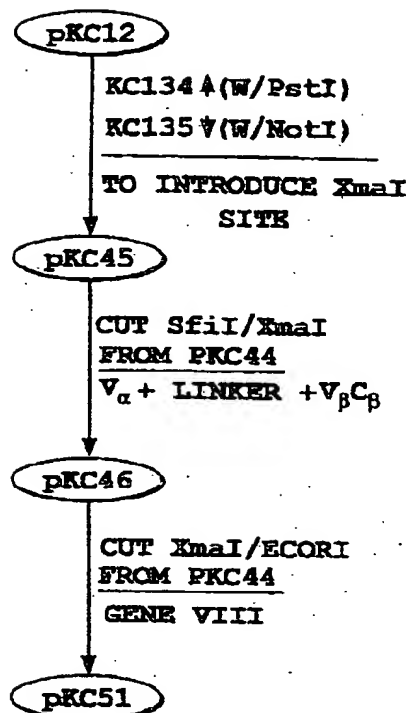
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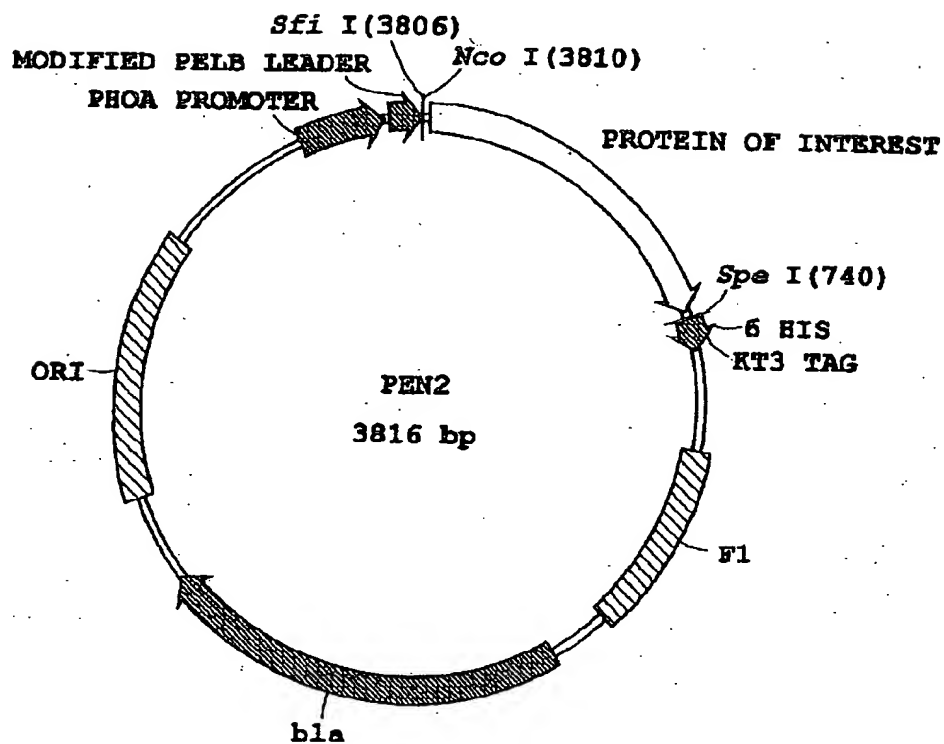
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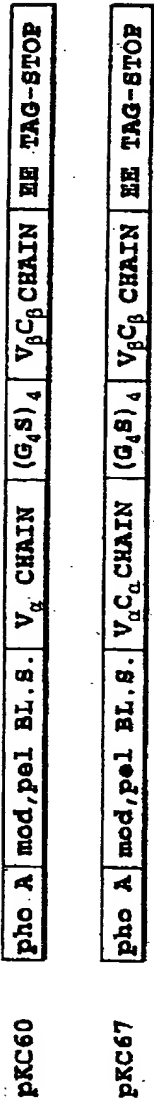
【図4】



【図5】



【図6】



【図7】

Primer	Seq Id No	Sequences (5' to 3')
KC100	001	CSG CCA TGG CCC AGC TGC AGA CTA GTG C
KC101	002	GGC CGC ACT AGT CTG CAG CTG GGC CAT GGC CGG CT
KC110	003	CTC GCG GCC CAG CCG GCC ATG GCC GAG GCT GCA GTC ACC CAA AGC
KC111	004	CTT CCT CAC TAG TAC AGT CTG CTC GGC CCC AG
KC112	005	GAT GGC CTC GAG GAG CAG GTG GAG CAG CTT
KC113	006	GAC TAG CCC GGG ACA GGG AAC GTC TGA ACT GGG
KC114	007	CTC GCG GCC CAG CCG GCC ATG GCC GAG CAG GTG GAG CAG CTT CTT
KC115	008	CTC GCG CTC GAG GAG GCT GCA GTC ACC CAA AGC
KC116	009	CTC GCG CCC GGG ACA GTC TGC TCG GCC CCA GGC
KC117	010	CTC GCG ACT AGT ACA GGG AAC GTC TGA ACT GGG
KC118	011	CTC GCG CCC GGG GTC TGC TCG GCC CCA GGC
KC119	012	CTC GCG ACT AGT GGG AAC GTC TGA ACT GGG
KC120	013	CTC GCG ACT AGT GTC TGC TCG GCC CCA GGC
KC121	014	CTC GCG CCC GGG GGG AAC GTC TGA ACT GGG
KC122	015	CTC GCG CTC GAG CGA GGC TGC AGT CAC CCA AAG C
KC123	016	GGG GGG CCC GGG GCT GAG GGT GAC GAT CCC GCA AAA G

【図8】

Primer	Seq Id No	Sequences (5' to 3')
KC124	017	CTA GTC TGG TGG CGG TGG CAG CGG CGG TGG TGG TTC CGG TGG CGG CGG TTC TGG CGG TGG CGG TTC C
KC125	018	TCG AGG AAC CGC CAC CGC CAG AAC CGC CGC CAC CGG AAC CAC CAC CGC CGC TGC CAC CGC CAC CAG A
KC126	019	GTG CTC ACT AGT GTT TGG CTC TAC AGT GAG TTT GGT G
KC127	020	GAT GGC TCG AGT GAG CAG GTG GAG CAG CTT CCT
KC128	021	CTA GTC CCC GGG TAC AAC TGT GAG TCT GGT TCC
KC129	022	CTC GAG ACT AGT TAC AAC TGT GAG TCT GGT TCC
KC130	023	CGG CCG AGG AAG AAG AGT ACA TCC CGA TGG ATC
KC131	024	GGG CCA TCC ATC GGG ATG TAC TCT TCT TCC TCG GCC GGC T
KC132	025	CCG GGG AGG AAG AAG AGT ACA TCC CGA TGG ATT GAG
KC133	026	AAT TCT CAA TCC ATC GGG ATG TAC TCT TCT TCC TCC
KC134	027	GCC CGG GAC TAG TGC
KC135	028	GGC CGC ACT AGT CCC GGG CTG CA
KC136	029	CTA GTC CCC GGG TCA TCA AGC GGC GCC TTC CAT CGG CAT GTA CTC TTC TTC CTC TAC AAC TGT GAG TCT GGT TCC
KC137	030	CTA GTC CCC GGG TCA TCA AGC GGC GCC TTC CAT CGG CAT GTA CTC TTC TTC CTC GTC TGC TCG GCC CCA GGC

【図9】

Primer	Seq Id No	Sequences (5' to 3')
KC138	031	CTA GTC CCC GGG TAC AAC TGT GAG TCT GGT TCC
KC139	032	CCG GGG AGG AAG AAG AGT ACA TGC CGA TGG AAG GCG CCG CTT AGC
KC140	033	CCT CCT TCT TCT CAT GTA CGG CTA CCT TCC GCG GCG AAT CCG GCC
KC141	034	GAT CAG CCC GGG GAG GCT GCA GTC ACC CAA AGC
KC142	035	CTA GTC CCC GGG ACA GTC TGC TCG GCC CCA CCG
KC143	036	CCG GGG AGG AAG AAG AGT ACA TGC CGA TGG AAG GCG CCG CTC
KC144	037	CCT CCT TCT TCT CAT GTA CGG CTA CCT TCC GCG GCG AGG GCC
KC145	038	CGC CGC TCA CCA TCA CCA TCA TCA CTG ATG AC
KC146	039	GGC GAG TGG TAG TGG TAG TAG TGA CTA CTG GGC C
KC147	040	GAT CAG GGC GCC GCT ACT GTT GAA AGT TGT TTA
KC148	041	CTG ATC GGA TCC TCA TTA AAG CCA GAA TGG AAA
KC149	042	CCG GGC TAA GCG GCG CCT TCC ATC GGC ATG TAC TCT TCT TCC TCC
KC150	043	CCG GGA GCG GCG CCT TCC ATC GGC ATG TAC TCT TCT TCC TCC
KC151	044	CCG GGT CAT CAG TGA TGA TGG TGA TGG TGA GCG G
KC152	045	GCT CGA GCT TAC TCC

【図10】

Primer	Seq Id No	Sequences (5' to 3')
KC153	046	CGC TCA TTA GGC GG
KC154	047	GTG TAC TTC TGT GCC
KC155	048	CTG TGA GTC TGG TTC
KC156	049	GCA GGT TCT GGG TTC
KC157	050	CAT TTA CTA ACG TCT GG
KC158	051	CGC CTG GTA CTG AGC
KC159	052	CCT CAA CCT CCT GTC
KC160	053	CTT ATT CCG TGG TGT C
KC161	054	CCA CCC TCA GAA CCG
KC162	055	GAA TTT ACC GTT CCA G
KC163	056	CTT TAG CGT CAG ACT G
KC164	057	GAA ACG CAA AGA CAC C
OPR156	058	GGG GGG CCC GGG CTG CTG AGG GTG ACG ATC CCG CAA AAG
OPR157	059	GGG GGG GAA TTC TAT TAG CTT GCT TTC GAG GTG AAT TTC
JWTCR222	060	GAG CAC GGC CCA GCC GGC CAT GGC CGA GGC TGC AGT CAC CC
JWTCR221	061	GAG CAC GAG ACT AGT AGC ACG AAC AAC ACG GTC GTC GAT CGG TTC CGG CGG GTT TGG CTC TAC AGT GAG
JWTCR220	062	GAT CCC TCC TGG ACA CGC AGG ATG GAA GGA AGC TGC TCC ACC TGC TCA GCA CGA ACA ACA CGG TCG TCG ATC GGT TCC GGC GGG GC
JWTCR219	063	CAT GGC CCC GCC GGA ACC GAT CGA CGA CCG TGT TGT TCG TGC TGA GCA GGT GGA GCA GCT TCC TTC CAT CCT GCG TGT CCA GGA GG

【図11】

Primer	Seq Id No	Sequences (5' to 3')
JWTCR218	064	GAG GTG GAA TTC TAT TAA GAC TCC TTA TTA CGC AGT ATG
JWTCR217B	065	GAG GAG GTG GTG ACT AGT ACC AGG TTC TGG TGG GTT CTG GAT GTT TGG CTC TAC AGT GAG
JWTCR217	066	GAG GAG GTG GTG ACT AGA ACC AGG TTC TGG GTT CTG GAT GTT TGG CTC TAC AGT GAG
JWTCR216	067	GAG GTG GAA TTC TAT TAG TGA TGA TGG TGA TGG TGA GAC TCC TTA TTA CGC
JWTCR215	068	GAG GTG CCC GGG ACT GTT GAA AGT TGT TTA GC
JWTCR214	069	GAG GTG GAA TTC TAT TAG TGA TGA TGG TGA TGG TGG CTT GCT TTC GAG G
JWTCR213	070	GAG GTG GAA TTC TAT TAG CTT GCT TTC GAG G
JWTCR212	071	GAG GTG CCC GGG GCT GAG GGT GAC GAT CCC G
JWTCR211	072	AAT TCT CAT CAG TGA TGA TGG TGA TGG TGC
JWTCR210	073	CCG GGC ACC ATC ACC ATC ATC ACT GAT GAG
JWTCR209	074	GTG GAG CCC GGG TTC CAT CGG CAT GTA CTC TTC TTC CTC TAC AAC TGT GAG TCT GG
JWTCR208	075	GAG GTG GAA TTC TCA CCC GGG TTC CAT CGG CAT GGA CTC TTC TTC CTC GTC TGC TCG GCC CCA G
JWTCR207	076	GAG GTG CTG CAG GTT CCA TCG GCA TGT ACT CTT CTT CCT CGT CTA GAC GGC CCC AGG CCT C
JWTCR206	077	GTG GAG CTG CAG GGT CTA GAC GGC CCC AGG CCT C
JWTCR204	078	GTG GAG CTG CAG GTG ATC CAC CCC CTC CAG ATC CAC CCC CTC CGT CTG CTC GGC CCC AG
JWTCR202	079	GTG GAG AAG CTT TGC CGA GCA GGT GGA GCA GC

【図12】

Primer	Seq Id No	Sequences (5' to 3')
JWTCR200A	080	GGG GGG GAG GTG CTC GAG CGA GGC AGC AGT CAC C
JWTCR23A	081	GAG CCC ACT AGT TTG GCT CTA CAG TGA GTT TGG TG
JWTCR1	082	CTA GAC CAG CAA ATC TGC ACC CAC AGA ATC CCT AGG ACA GCT CCC AGG TTC CTC TGC ATG GTG GA
JWTCR2	083	AGC TTC CAC CAT GCA GAG GAA CCT GGG AGC TGT CCT AGG GAT TCT GTG GGT GCA GAT TTG CTG GT
JWTCR3	084	GAT CGG TCT AGA GGT GAG CAG GTG GAG CAG CPT CC
JWTCR4	085	GCC TGG AGA CTC AGC CAT G
JWTCR5	086	GAA GTA CAT GGC TGA GTC TCC
JWTCR6	087	GAT GAA CGT TCC AGA TTC CAT GG
JWTCR7	088	CCC AAA TCA ATG TGC CGA AAA C
JWTCR8	089	CTA GAA CAC AGG AGA CTG GAG AGC ACG AAG AAG AGC CTG GAG CCC ATG GTG GA
JWTCR9	090	GCT CTC CTT GTA GGC CTG AG
JWTCR10	091	GTA CTT CTG TGC CAG CGG TG
JWTCR11	092	GAG CAA TTA TAG CTA CTG CCT G
JWTCR12	093	GGT CTG GAG GCC TTG TAT CC
JWTCR13	094	AGC TTC CAC CAT GGG CTC CAG GCT CTT CTT CGT GCT CTC CAG TCT CCT GTG TT
JA301	095	TCG AGG AAC CGC CAC CGC CAG AAC CGC CGC CAC CGG AAC CAC CAC CGC CGC TGC CAC CGC CAC CA

【図13】

Primer	Seq Id No	
JA302	96	CTA GTG GTG GCG GTG GCA GCG GCG GTG GTG GTT CCG GTG GCG GCG GTT CTG GCG GTG GCG GTT CC
KOZAK CONSENSUS		
	97	CCACCATG
	98	Glu Glu Glu Glu Tyr Met Pro Met Glu 1 5
	99	ATG AAA TAC CTG CTG CCG ACC GCA GCT GCT GGT CTG CTG CTG GCT GGC GGC CCA AGC CGA TGG CC
	100	MKY LLP TAA AAL ILL AAQ PAM

【図14】

PRIMERS TO AMPLIFY HUMAN TCR V $\beta$  LIBRARIESTCR-V $\beta$  FRONT:SEQ. ID  
NO.

5'-GCCGGCCATGGCCCGTGTCTCTCTCTC	V $\beta$ 2,4	101
5'-GCCGGCCATGGCCGAMRCCMAGTSACCC	10,14	102
5'-GCCGGCCATGGCCCGATGTGAAAGTAACCC	3	103
5'-GCCGGCCATGGCCGAMRCWGMCRITTMCC	11,9	104
5'-GCCGGCCATGGCCARKGCTGGDGTCACTC	13,5-1	105
5'-GCCGGCCATGGCCAATGCCGGCGTCATGC	18	106
5'-GCCGGCCATGGCCGRTCTCTGGAGTCTCCC	6	107
5'-GCCGGCCATGGCCGATGCTRGARTCACCC	8-3,12	108
5'-GCCGGCCATGGCCGATTCTGGAGTCACAC	1	109
5'-GCCGGCCATGGCCGAYGCTGGWGTATCC	8-1,2,4	110
5'-GCCGGCCATGGCCGATGCTGRYRTTAYCC	8-5,15	111
5'-GCCGGCCATGGCCGAAGCTGGAGTTACTCAG	16	112
5'-GCCGGCCATGGCCGATGCTACTATTTCATCAATGGCC <sup>a</sup>	20	113

TCR-V $\beta$  BACK:

MIXTURE OF:

5'-GCTGCCACCGCCACCCACCTTGTTTCAGGTCC	114
5'-GCTGCCACCGCCACCCACGTTTTTCAGGTCC	115

NcoI

<sup>a</sup>TWO CODONS WERE ADDED, BECAUSE FULL LENGTH V $\beta$  20 cDNA WAS NOT AVAILABLE.

【図15】

PRIMERS TO AMPLIFY HUMAN TCR V<sub>α</sub> LIBRARIES

TCR-V <sub>α</sub> FRONT:		SEQ. ID NO.
5'-GGAGGCGGCGGTTCTGCTAAGAGACCCACMCAGCC	V <sub>α</sub> 16,4	116
5'-GGAGGCGGCGGTTCTCAGAAGRTAACTCAARCSC	12,6	117
5'-GGAGGCGGCGGTTCTCAGTCKGTGASCCAGC	1,19	118
5'-GGAGGCGGCGGTTCTCAGAGAGTGACTCAGCC	9	119
5'-GGAGGCGGCGGTTCTCWGMASGTGRAACAARGTCC	13,14	120
5'-GGAGGCGGCGGTTCTCAGCAAGTTAAGCAAAATTC	17	121
5'-GGAGGCGGCGGTTCTGAGARTGTGRCGCGCATC	8	122
5'-GGAGGCGGCGGTTCTAAGKARGTGCGCCAGRTYC	2,15	123
5'-GGAGGCGGCGGTTCTCAGCTGCTGGAGCAGAG	10	124
5'-GGAGGCGGCGGTTCTCAAMAGRKAGAASAGRATYC	3,5	125
5'-GGAGGCGGCGGTTCTGGACAAARCMITGARCAG	7	126
5'-GGAGGCGGCGGTTCTAAGCACCAAGTGTTTCAG	11	127
TCR-V <sub>α</sub> BACK:		
5'-TTCATAGACTAGTAGGGTCAGGGTTCCTGG		128
SpeI		
(GGGGS) LINKER:		
5'-GGTGGCGGTGGCAGCGGCGGTGGTGGTTCGGAGGCGGCGGTTCT-3'		129
3'-CCACCGCCACCGTCGCCGCCACCAAGGCTCCGCCGCCAAGA-5'		130

【図16】

PRC60-M	$V_{\alpha} 13.1$	$(G_4 S)_4$	$V_{\beta} 8.2+C_{\beta}$	
PRC67-M	$V_{\alpha} 13.1$	$C_{\alpha} 7$	$(G_4 S)_4$	$V_{\beta} 8.2+C_{\beta}$
PRC73-M	$V_{\alpha} 13.1$	$C_{\alpha} 22$	$(G_4 S)_4$	$V_{\beta} 8.2+C_{\beta}$
PRC74-M	$V_{\alpha} 13.1$	$C_{\alpha} 72$	$(G_4 S)_4$	$V_{\beta} 8.2+C_{\beta}$
PRC75-M	$V_{\alpha} 13.1$	$C_{\alpha} 70$	$(G_4 S)_4$	$V_{\beta} 8.2+C_{\beta}$

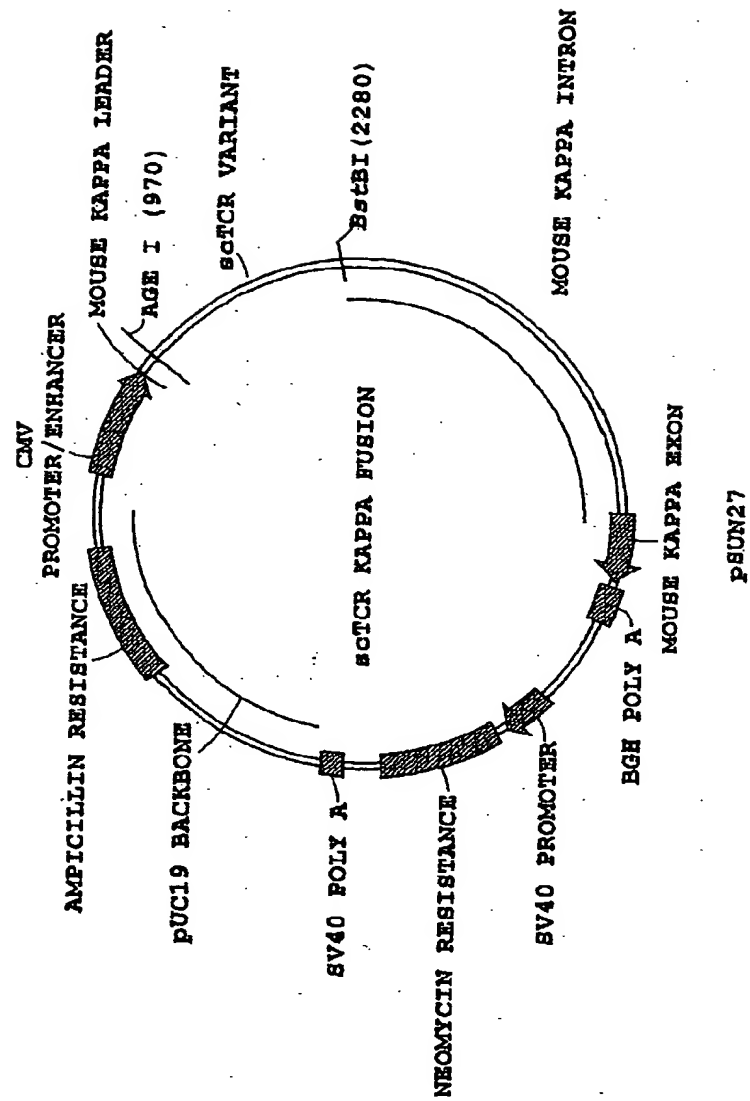
A

PNAG1-M	$V_{\alpha} \ 2.3$	$(G_4S)_4$	$V_{\beta} 11+C_{\beta}$
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PNAG3-M	$V_{\alpha} \ 2.3$	$C_{\alpha} 7$	$(G_4S)_4$	$V_{\beta} 11+C_{\beta}$
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B

【図17】



【図18】

SEQ. ID. NO.

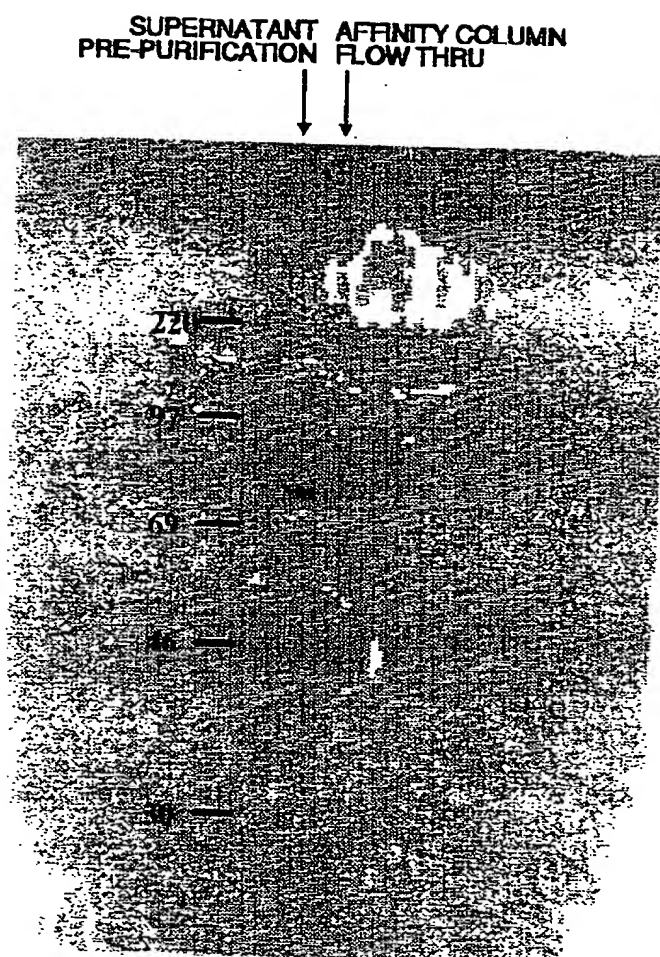
JWTCR208	gAg gTg gAA TTC TCA CCC ggg TTC CAT Cgg CAT 75 gTA CTC TTC TTC CTC gTC TgC Tcg gCC CCA
JWTCR222	gAg CAC ggC CCA gCC ggC CAT ggC CgA ggC TgC 60 AgT CAC CC
KC114	CTC gCg gCC CAg CCg gCC ATg gCC gAg CAg gTg 7 gAg CAg CTT CCT
KC117	CTC gCg ACT AgT ACA ggg AAC gTC TgA ACT ggg 10
KC165	gAg gAg gTg gTg ACT AgT gCT gAg ggT gCT gCT 131 CTg Ag
KC166	gAg gAg gTg gTg ACT AgT gCT ggT gAA gCT TgT 132 CTg g
KC167	gAg gAg gTg gTg ACT AgT ACT ggg AAC gTC TgA 133 ACT ggg
KC171	gAg gTg gAg gCC Cag Ccg gCC Atg gCC Cag gTg 134 AgA CAA Ag
KC172	gAg gTg gAg CTC gAg CAA TgC Tgg TgT CAT CCA 135 AAC
KC173	gAg gTg gAg ACT AgT gTC Aag gTT gAC CTg Aag 136
KC174	gAg gTg gAg ACT AgT AgC Agg TTC Tgg gTT CTg 137
KC176	gAg gTg gAg CCC ggg gTC TgC TCg gCC CCA ggC 138
KC199	g gCC Cag Ccg gCC AAT gCT ggT gTC ATC CAA AC 139
KC203	gAg gTg ACC ggT CAg CAg gTg AgA CAA AgT CC 140
KC204	gTg gAg ATC gAT AAag TgT ACT TAC gTT T gTC 141 TgC TCg gCC CCA g

【図19】

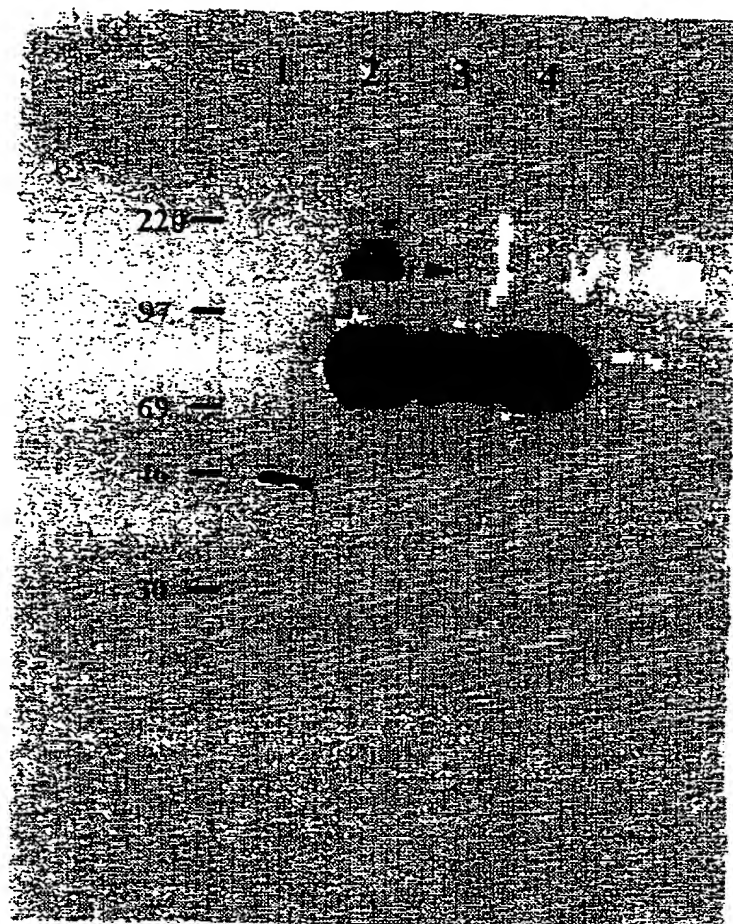
SEQ. ID. NO.

KC205	gTg gAg ATC gAT Aag TgT ACT TAC gTT T TCA 142 TTA ACA gTC TgC TCg gCC CCA g
KC169	gAg gTg ACC ggT gAg CAg gTg gAg Cag CTT CC 143
KC170	gTg gAg TTC gAA Aag TgT ACT TAC gTT TgT CTg 144 CTCg gCC CCA
KC201	gTg gAg TTC gAA AAg TgT ACT TAC gTTT TCA TTA 145 gTC TgC TCg gCC CCA

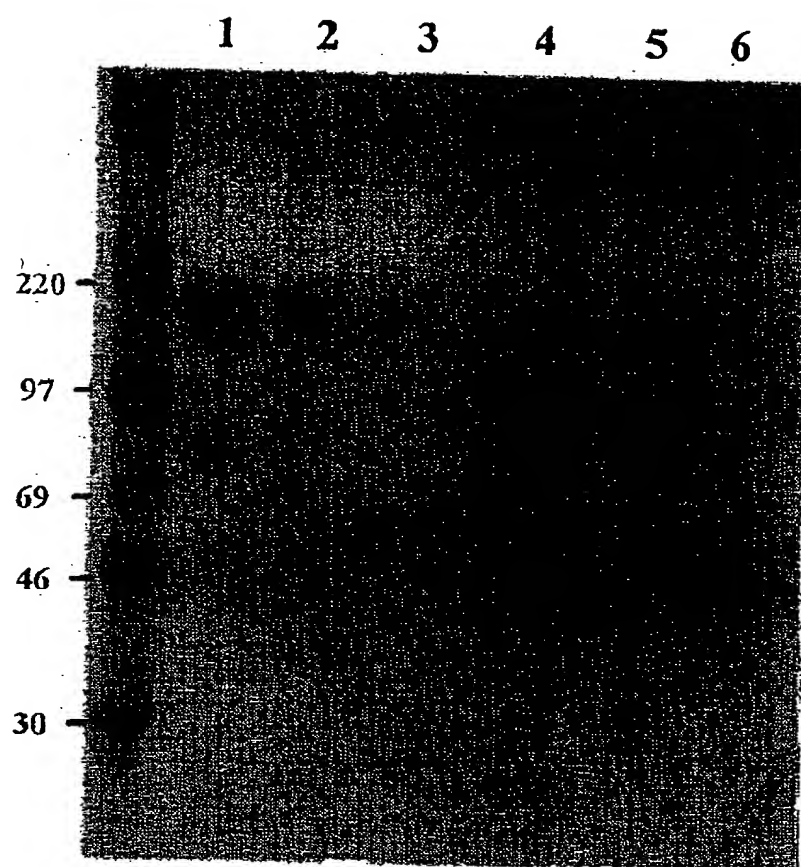
【図20】



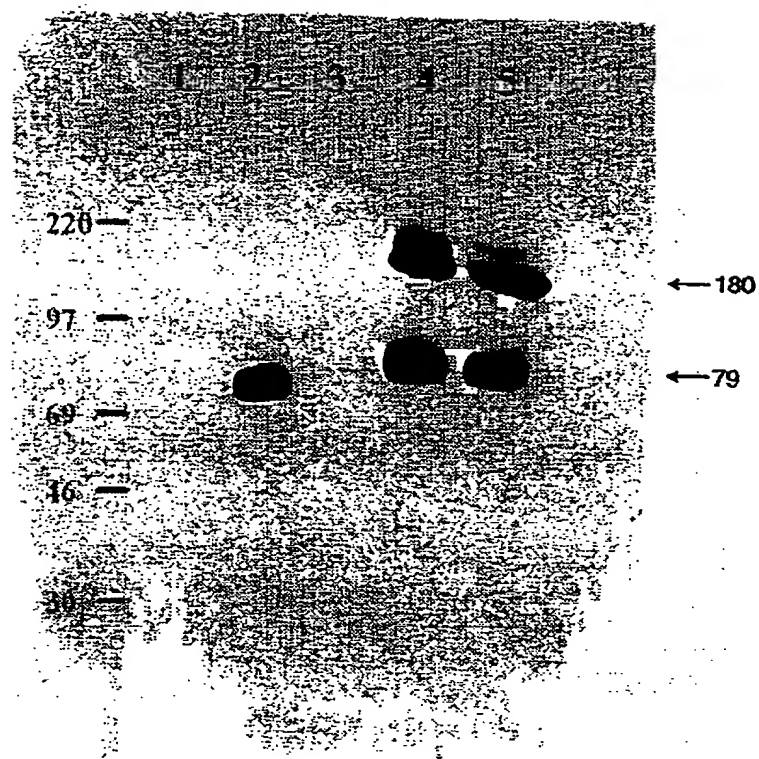
【図21】



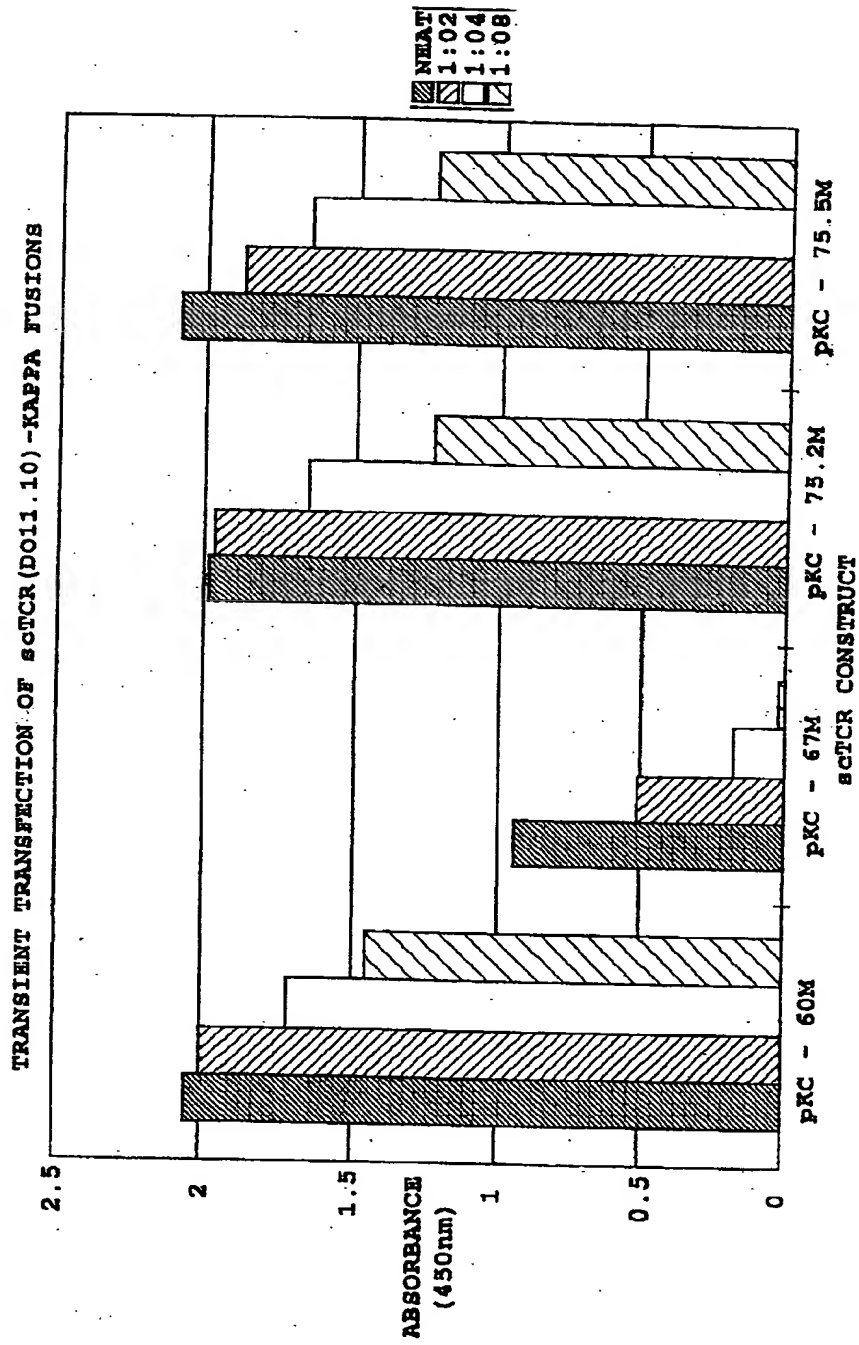
【図22】



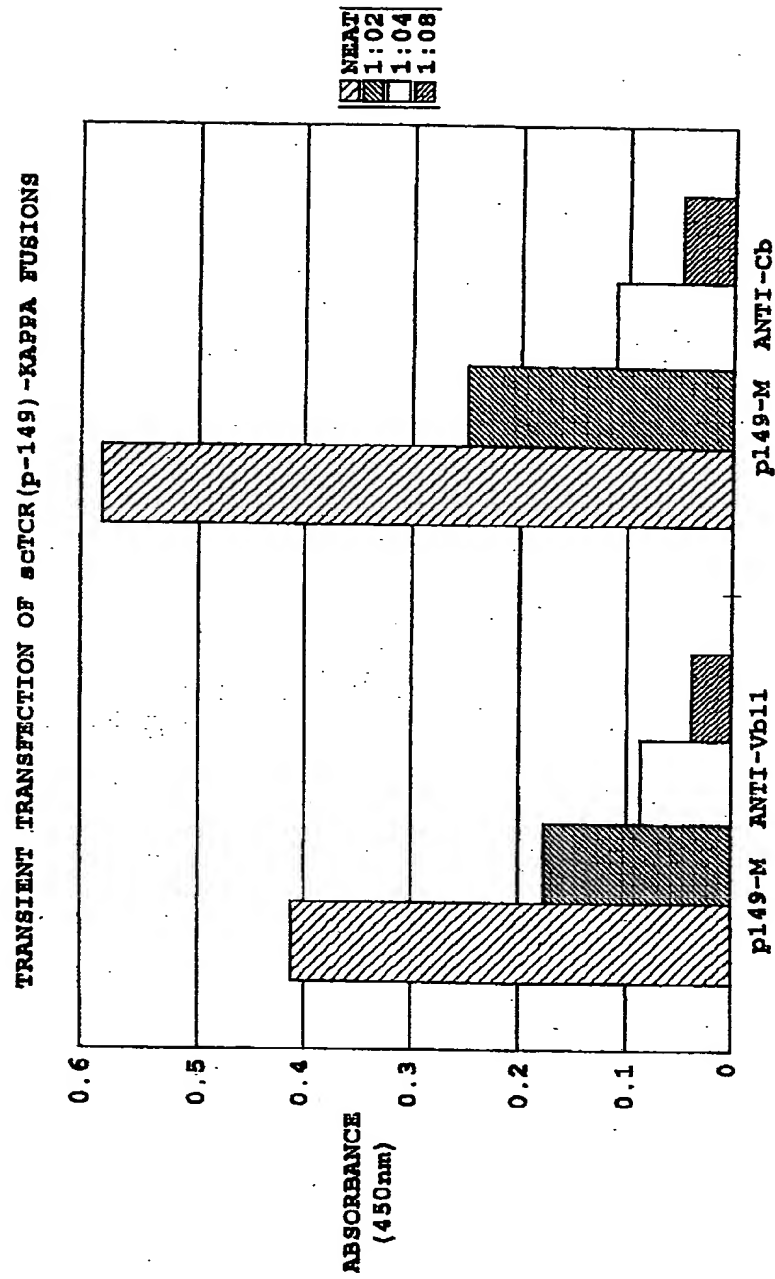
【図23】



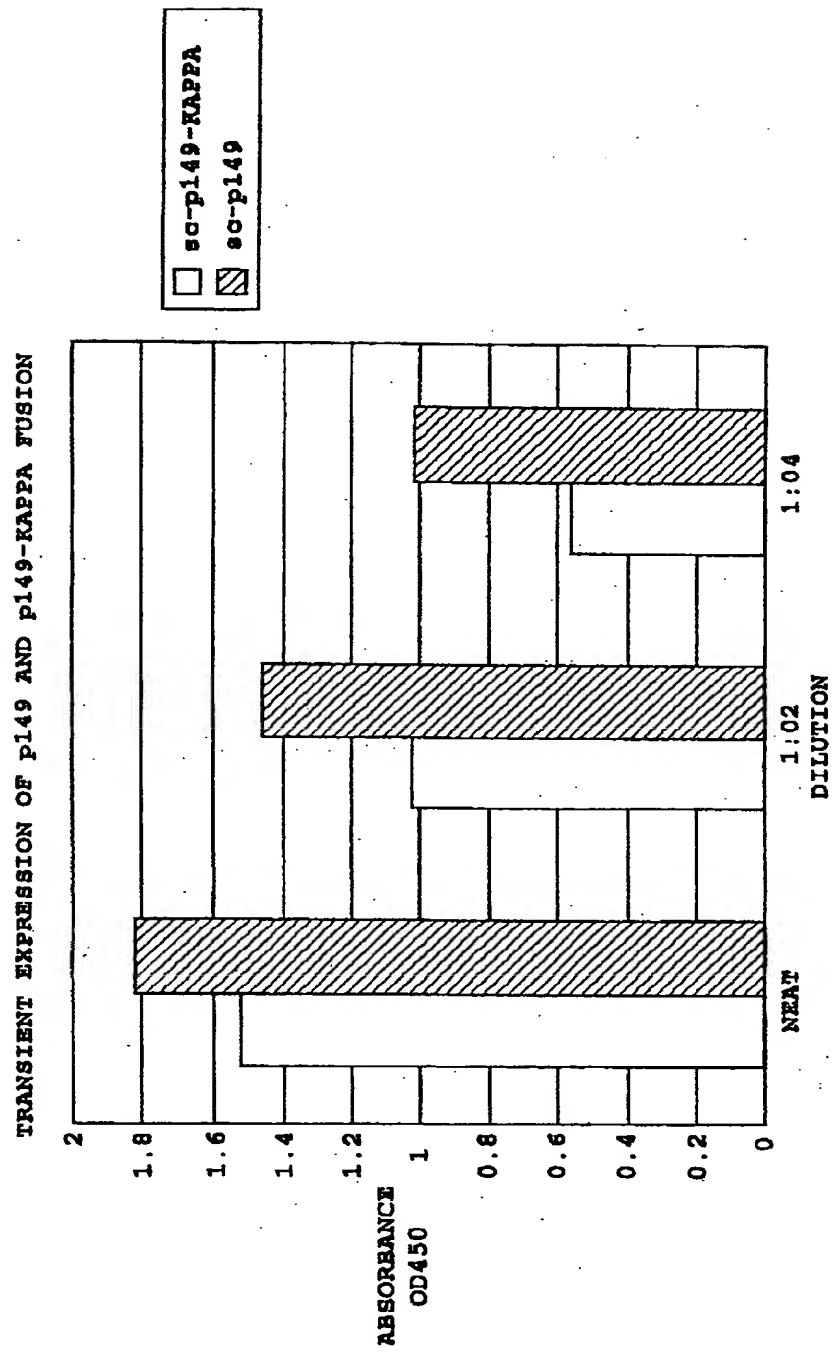
【図24】



【図25】



【図26】



## 【国際調査報告】

<b>INTERNATIONAL SEARCH REPORT</b>		International application No. PCT/US98/20263
<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(6) :C07K 14/725; A61K 38/00, 39/00 US CL :530/350, 395, 403; 424/185.1 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 530/350, 395, 403; 424/185.1 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Examiners T cell receptor files. Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 92/02629 A1 (NATIONAL JEWISH CENTER FOR IMMUNOLOGY AND RESPIRATORY MEDICINE) 20 February 1992, see entire description as directed to production of chimeric TCR proteins and their uses.	1, 2, 4-15, 17, 21, 22, 35, 36, 39, 40
Y	US 5,565,335 A (CAPON ET AL.) 15 October 1996, see entire description as directed to production and usage of polypeptides lacking transmembrane domains.	1, 2, 4-15, 17, 21, 22, 35, 36, 39, 40
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" documents published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to underscore the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "A" document member of the same patent family		
Date of the actual completion of the international search 28 DECEMBER 1998		Date of mailing of the international search report 25 JAN 1999
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230		Authorized officer THOMAS CUNNINGHAM Telephone No. (703) 308-0196

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【図1】



FIG. 1

【図2】

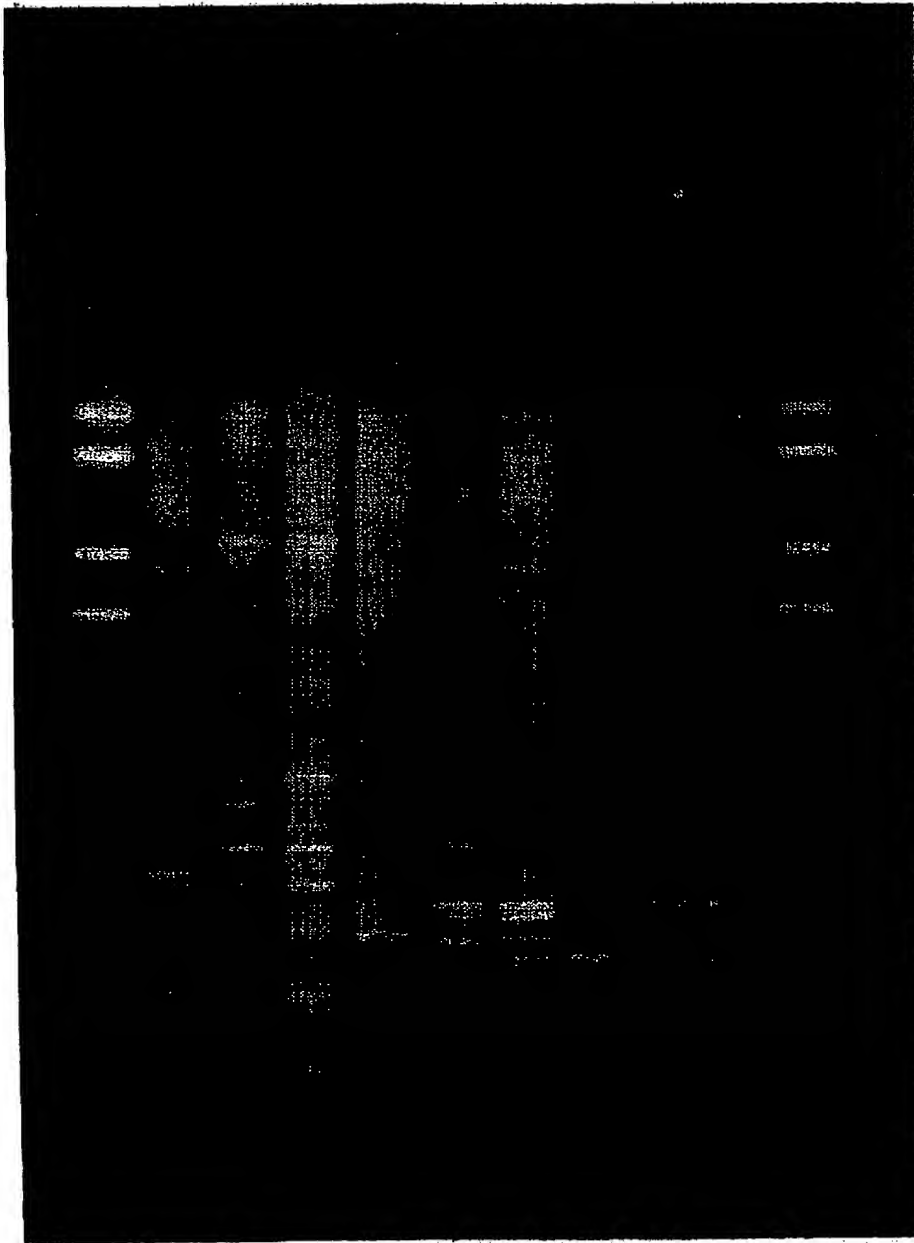


FIG. 2

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